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Development and Manufacturing Centre

SERVICE MANUAL
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UNIT

Software Bulletin EasyVision RAD

Release 4.2V2 Level 2 – Service Pack 1

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SERVICE MANUAL - UNIT

Software Bulletin EasyVision RAD R 4.2 V2 Level 2 – Service Pack 1

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In case there are any questions concerning this manual,
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1 Introduction

This document contains:

– Release notes for Service Pack 1 of the EasyVision RAD 4.2 V2 Level 2 software
– Installation procedure of the software package

The information contained in the Release Bulletin for the EasyVision RAD 4.2 V2 Level 2 software remains valid.

2 Release Information

2.1 Supplied Software

EasyVision RAD 4.2 V2 Level 2 – Service Pack 1 ..... 4512 131 81131
containing:
– 1 CD, EasyVision RAD 4.V2L2 -SP1 4512 116 05001
– This bulletin

The CD contains the whole software package.

A software patch (~15MB) can be downloaded from the PCR download area on the Intranet:

http://pww.technet.ms.philips.com/pmg/xrh/custsup/Download/pcr/download_pcr.htm

2.2 What's New . . .

Fixed problems

Auto shutter crashed
Once in a while the Auto Shutter task crashed and the imported image was not transferred to the database. The software created a “segmentation violation” which occurred sometimes while calculating the shutter positions. This problem has been fixed.

Kodak 8610: Lifesize differs 2 %
Now the correct lifesize is printed.

Presets.dat contains each preset twice after execution of the configuration
When in configuration “load factory setting presets” was selected, it could happen that duplicate presets were created. This does not happen anymore.

Application crashed when 'Processing' was selected in the image information tool
When the display of the processing parameters as annotation on the image was switched on, the application crashed.

VNC
Configuration and customization did not start with VNC (Virtual Network Computing). This works now.

Problems with auto shutter
Some improvements for the auto shutter algorithments have been implemented.

View/projection missing / digital DIAGNOST
View/projection was missing on film when printed from digital DIAGNOST.

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New features

Smaller stepping for contrast
Contrast and brightness can now be changed in smaller steps using the +/- buttons in the Greylevel Tool.

Additional Look Up Table for monitor
A new monitor type **Philips 21“ greyscale PCR** has been added to the list of configurable monitors.This entry includes the gamma correction LUT as used in Release 2.3

Workstation status window now on foreground
All tool panels have now the same display level. The last selected panel is on top.

Improved arrangement of the pictorial select window
The panel of the select tool fits now to the screen. All tool buttons in the top and the left row are visible now.

Undictated status
The ‘undictated status’ is not visible anymore. This is valid only in the PCR facilities, the other facilities remain unchanged.

Remember last export destination
The Data Handling Shortcuts Tool now remembers the last destination where images were exported to.

Increased range of shutters
The minimum shutter size is decreased now. The factor which determines the relative minimum size is set from 0.1 to 0.02. Therefore the following minimal sizes are possible:

old settings (factor 0.1):

inches	mm	min size / mm
10	254	25
17	432	43

new settings (factor 0.02):

inches	mm	min size / mm
10	254	5.08
17	432	8.64

Fuji FM-DPL supports 8"x10" films
This is now supported.

DICOM Print for Kodak KELP 1120
... now supported

Kodak 2180 (DICOM) and Agfa Drystar 4500
...are now supported

Logfiles will be saved on a crash
When a process crashes, all logfiles are collected and saved as /var/adm/evlog*.zip (the last five versions). An entry in the service menu allows to download these files.

Increased logfile size
The maximum size of a logfile is 500.000 bytes now.

Extend logging information
Import, deletion and archival of images is now explicitly written to the logfiles of the processes that do the actions. Also several unnecessary entries in the logfiles have been removed.

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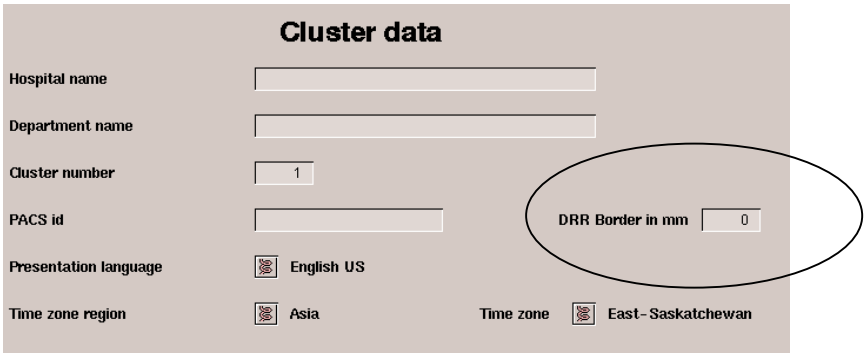
Avoidance of dark borders on DRR processed images
PCR Readers may create a small white area at the border of the image within the tolerance of 2mm. This white line causes a dark border artifact within the image when DRR processing is used. Now a predefined border is left out by the DRR processing. The so-called DRR border is only taken into account if the MRM code of the image begins with 03xx (Mammo). The value for this predefined border can be set in a field in the EV configuration screen.
Range: 0 ... 10 mm
Default value: 0 mm



2.3 Known limitations

PrintJobServer crash
It has been experienced on a few R4.2.2 systems that the PrintJobServer task crashes once in a while for unknown reasons. The task is restarted automatically by the system and the user may not even notice that problem at all. It may be possible that films are not printed (because of the crash) or printed twice (because of the restart). This problem is under investigation by the PCR development group.

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3 Software Installation

Service Pack 1 is available as single patch file which can be downloaded from the Intranet and it is also available on CD-ROM (see chapter 2).

When installing the Service Pack from CD, Operating System and Application Software need to be updated following the procedures described in paragraphs 3.1 and 3.2.

When installing the Service Pack from patch file please follow the procedures described in paragraph 3.3.

3.1 Installing the operating system

The following data of the EasyVision (stand-alone or server) and possibly its workspot (client) are needed:
- Hostname
- IP address
- Net mask

Before installing the software, please make sure to have an up-to-date backup available of the configuration files.

1. Shutdown the system and wait for the **ok** prompt.
2. Put the CD-ROM with the EV software on the tray of the CD-ROM drive, close the tray and wait a few seconds.
3. Enter **boot cdrom** to start booting from CD-ROM (Ignore messages like **hsfs mount failed,...)**
4. After a while **Open Windows** is started and a shell tool panel appears.
5. Answer the following questions (example of a stand-alone EasyVision):

```
Enter hostname:                          EV1
Enter IP address:                        192.168.12.34
Enter netmask [255.255.0.0]:             255.255.255.0
```

6. Now choose **1 Install OS**.

```
OS Install Menu:

What do you want to do?:
1 Install OS
2 Reformat image disks
3 Login as root
0 Shutdown

Starting Installation
Password:    password
```

7. The following message appears on the screen:

```
Welcome to the OS installation utility...

Remember that after an OS installation you have to
(re)install the application and (re)configure!!!

Type <return> to continue execution
```

8. The system response (example for one system disk and two image disks) is:

```
The system will be installed for the EasyVision product

Taking disk c0t0d0 as EasyVision System Disk
Using "<disk-type>" as disk type
Taking disk c1t11d0 as EasyVision Image Hard disk
Using "<disk-type>" as disk type
Taking disk c1t10d0 as EasyVision Additional Image Hard disk
Using "<disk-type>" as disk type
```

For a Client system the image disks are skipped since there is no image disk installed.

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9. Now choose:
   [**P**]artition for the system disk and the image disks.

Warning

Do not select [F]ormat of the image disks, otherwise all the images in the database are erased!

10. Answer accordingly:
    `Are these choices correct (Y/N)?:`
    Partitioning is executed now according to your answers. Then the file systems are created on the System Disk and the Operating System software is copied from the CD-ROM to the System Disk. This takes another 30 minutes.

11. When the Operating System is installed, the system shuts down:

```
The system is coming down. Please Wait.
System Services are now being stopped.
```

The screen turns to black and an automatic reboot from the System Disk is done. After the reboot the system continues with the following menu:

```
Application Install Menu:

What do you want to do?:
   1 Install Application
   2 Login as root

   0 Shutdown

Enter the number of your choice:
```

Continue with step 3 in the next section.

3.2 Installing the application software

1. Start up the EV or exit application to get the Startup Menu.
2. From the Startup menu choose **4. Installation**:

```
EASYVISION STARTUP MENU

   1. Start Application
   2. Start Customization
   3. Go to Service Menu
   4. Go to Installation/Configuration Menu

   0. Shutdown
```

3. Then choose **1. Install Application:**

```
Installation/Configuration Menu:

   1. Install Application
   2. Start Configuration
   3. Change IP address
   4. Change System's Date and Time

   0. Return to Startup Menu
```

System response:

```
Starting installation
Password: password

Welcome to the Application installation utility for EASYVISION

Insert the distribution CD-ROM containing the Application software and press Return to
continue:
```


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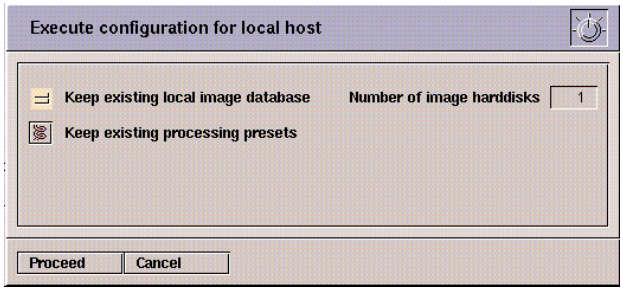
After about 5 minutes the software installation is completed and the following configuration menu appears:

```
Config Menu:

What do you want to do?
1 Start Configuration
2 Reinstall Application
3 Login as root

0 Shutdown
```

Now you may remove the CD-ROM from the drive.

4. Select **1. Start configuration**:

5. You need to click **Execute...** to perform the actual configuration of this EasyVision and to save the setup database file to hard disk. Before execution starts this panel is displayed:



The option **Keep existing local database** is only selectable if a correct and compatible database (image and Setup database) exists. **The image database is deleted if this option is not highlighted!**

With the selection button **Keep existing processing** the following selections are possible:

- **Keep existing processing presets** (Preferred)
  The current processing presets are kept as they are
- **Reset processing presets to factory settings**
  The default presets are recovered as they are on a completely new installed system
- **Merge factory presets and current presets**
  Presets already existing in the Setup database are not overwritten by the factory presets
- **Merge factory presets and current presets.**
  Current presets are replaced by factory presets which have the same key
  Presets in the Setup database may be overwritten by properties. Example: 5 presets stored in a property file in a directoryl overwrites other presets with the same name.

When finished click **Proceed** to finalize the configuration. Leave the configuration tool.

The system performs a reboot and starts automatically the application. **Restart** now the connected **USITs** to synchronize the configuration settings.

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3.3 Software upgrade via downloaded patch

1. Copy the downloaded file **sp1.tar.Z** to the directory **/spare** on the EasyVision (see Release Bulletin for detailed instructions on how to transfer files to EasyVision).

2. At the EasyVision change to the UNIX command prompt: **Service Menu > C-Shell**

3. At the command prompt enter
   cd /spare
   uncompress sp1.tar.Z
   mount –o remount /easy
   tar xpf sp1.tar
   chmod 777 /var/adm
   chmod 777 /easydata
   reboot

4. While rebooting, many messages are displayed. This indicates that the system files are being updated. When finished, the system should start up normally.

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